

# Notice of Allowability

Application No.

09/619,051

Examiner

Aaron Strange

Applicant(s)

BLACKMORE ET AL.

Art Unit

2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Interview on 5/22/06.
2. ☒ The allowed claim(s) is/are 1-3.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 05222006.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

BUNJOB JAROENCHONWANIT  
SUPERVISORY PATENT EXAMINER

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Lawrence D. Cutter (reg. No. 28,501) on 5/22/2006.

The application has been amended as follows:

#### IN THE CLAIMS:

- a. In claim 1, **BEFORE** "transmitting said message" in line 4, **INSERT** "establishing, via at least one application program interface call to an operating system, a message structure which includes a message and a target memory location in an application level address space;"
- b. In claim 1, **AFTER** "said message" in line 4, **INSERT** "structure".
- c. In claim 1, **BEFORE** "received from" in line 9, **INSERT** "structure".
- d. In claim 1, **REPLACE** "indicating target memory locations for said message" in line 11 **WITH** "as determined by said target memory location,".
- e. In claim 1, **REPLACE** "said memory locations being application level address space locations" in lines 11-12 **WITH** "said target memory location being an application level address space location".
- f. In claim 1, **REPLACE** "location" in line 14 **WITH** "location".

- g. In claim 1, **REPLACE** "locations now contain" in line 17 **WITH** "location now contains".
- h. In claim 3, **REPLACE** "establishing...locations;" in lines 4-6 **WITH** "establishing, via at least one application program interface call to an operating system, a message structure which includes a message and a target memory location in an application level address space;"
- i. In claim 3, **AFTER** "message" in line 7, **INSERT** "structure".
- j. In claim 3, **AFTER** "message" in line 11, **INSERT** "structure".
- k. In claim 3, **REPLACE** "said real" in line 13 **WITH** "real".
- l. In claim 3, **AFTER** "address information" in line 14, **INSERT** ", as determined by said target memory location, said target memory location being an application level address space location"
- m. In claim 3, **REPLACE** "desired memory locations" in line 16 **WITH** "target memory location".
- n. In claim 3, **REPLACE** "desired locations contain" in line 19 **WITH** "target memory location contains"

***Allowable Subject Matter***

- 2. Claims 1-3 are allowed.
- 3. The following is the Examiner's statement of reasons for allowance:

4. With regard to claim 1, the prior art of record fails to disclose or reasonably suggest a method as claimed, and as supported by the specification, comprising:

establishing, via at least one API call to an operating system, a message structure *including a message and a target memory location in an application level address space*,

transmitting the message structure to an adapter connected to a second data processing system,

transferring the message from the temporary storage directly into *said target memory location using direct memory access*,

transferring an indication that the message has been placed in the target memory location from the adapter to the second data processing system, and

transferring an acknowledgement of receipt from the second data processing system to the first data processing system.

These limitations, *in combination with the other limitations contained in claim 1*, are not wholly disclosed or suggested by the prior art of record.

5. Claim 3 recites similar limitations to claim 1, and is allowed under the same rationale.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

Art Unit: 2153

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

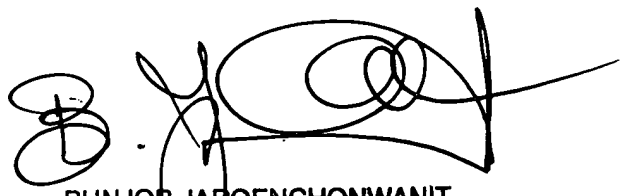
### ***Conclusion***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron Strange whose telephone number is 571-272-3959. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glen Burgess can be reached on 571-272-3949. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AS  
5/22/2006



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